

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: November 23, 2005

Inspector: Lee Curtis

Location: Transition Stations: Hoyts Hill, Archers Lane, Norwalk Junction

Storm/

Rain Event: Approximately 1.44- 1.70" of rain fell over 11/21-11/22 as reported by NOAA

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<p>- Hoyts Hill: Access is gained off Hoyts Hill Road which was previously repaved and curbed by the DPW. Sediment tracking was not noted. 11/23/05.</p> <p>- Archers Lane: - The majority of the boulders have been removed from the stockpile within the site boundaries along the access road. Material at the property line appears to have been removed 11/10-11/23/05.</p> <p>- Sediment tracking was noted on Diamond Hill Rd. due to all the traffic but street sweeping had previously occurred. 11/23/05</p> <p>- Norwalk Junction: A gravel access road is in place off of Route 7. Sediment tracking was not noted. 11/23/05.</p> <p>- Changes to drainage and the emergency access road here are proposed. 11/17-11/23/05</p>	<p>- Monitor any sediment tracking issues and determine if a pad may be necessary. 9/15-11/23/05.</p> <p>- None at this time. 11/23/05.</p> <p>- Street sweeping will need to continue on a regular basis. 11/23/05</p> <p>- Continue to monitor sediment tracking issues and sweep streets if necessary. 11/23/05.</p> <p>- No activity was noted here at this time. 11/23/05</p>
Foundation construction	<p>- The Hoyts Hill station yard has been backfilled and brought to grade. Final grades are not complete along the wetland edge due to future</p>	<p>- None at this time. 11/23/05.</p>

Areas of Inspection	Observation	Recommended Action
Foundation construction continued	<p>work here. 11/17-11/23/05.</p> <ul style="list-style-type: none"> - Additional work may be necessary on the southern side outlet/dissipater pad as erosive gullies were noted. 11/02-11/23/05. - At Archers Lane boulders and stone continue to be removed and excavation and earthwork is ongoing. Stone is being crushed for use in the construction of the station yard foundation. 11/10-11/23/05. - Drilling continues for the foundation of a structure adjacent to the yard. 11/17-11/23/05 - At Norwalk Junction, active work was not noted at the time of inspection. The old culvert pipe sections were stockpiled for removal and the remaining outlet pipe was protected by erosion controls. 11/17-11/23/05. 	<ul style="list-style-type: none"> - The pad may need to be extended here based on the noted erosion issues. See erosion control section 11/02-11/23/05. - None at this time. 11/10-11/23/05 - None at this time. 11/17-11/23/05 - See additional sections for more information. 11/23/05.
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - Hoyts Hill: The majority of the perimeter silt fence remains in good condition. 11/23/05. A small amount of sediment has filtered through the fence as of a few weeks ago-continue to monitor. 11/23/05. - Due to the recent warmer weather, the slopes have experienced some observable grass growth (11/17/05) but prior rains have caused rills and small erosive gullies to form. The gullies have caused sediment to deposit all along the base of slope. 10/27-11/23/05. 	<ul style="list-style-type: none"> - Continue to monitor the area and be proactive in maintenance of the erosion controls, especially in areas with wetland immediately adjacent. 11/23/05. - Gullies should be repaired and a stronger method of stabilization, such as erosion control mats, should be considered if the grass cannot stabilize before the ground freezes. Grades along the wetland are not yet final as work to connect to the street work is still proposed. 11/23/05.

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls continued	<p>-A larger erosive gully was noted reaching along the southern outlet pipe and dissipater pad. It may be necessary to extend the pad. 11/02-11/23/05.</p> <p>- Archers Lane: It appears the wayward material was removed from the property boundary/stone wall. 11/23/05</p> <p>-The silt fence corner at the base of the access road slope was still intact but some sediment had accumulated. 10/12/05-11/23/05.</p>	<p>-Investigate whether extension of the stone pad would help the situation and restore the erosion caused here. It is uncertain whether this is the source of the gully. 11/23/05.</p> <p>- None at this time. 11/23/05.</p> <p>- Continue to monitor this area, especially after significant rain events. Sediment may need to be pulled away after the rains and repairs may be necessary. 11/23/05.</p>
	<p>- Norwalk Junction: The perimeter erosion controls seem mostly in place around the edge of the disturbed site. 11/23/05.</p> <p>-Brush piles were removed but it appears some of the vegetation may have been cleared in this area, leaving disturbed soils outside the silt fence adjacent to the wetland. 11/23/05</p> <p>- The culvert pipe sections were stockpiled for removal and the remaining outlet pipe was protected by erosion controls. Grading and soil compacting are ongoing. Some changes to the proposed drainage are proposed. 11/23/05</p>	<p>-Maintain erosion controls as long as there is disturbed soil/work on site, especially due to the proximity of the river and wetlands. 11/23/05</p> <p>- This newly disturbed area adjacent to the river should be mulched or erosion controls should be extended to encompass it. 11/23/05.</p> <p>-Monitor and maintain erosion controls at the outlet pipe. 11/23/05.</p>
Inland Wetland and Watercourse encroachment and mitigation	<p>- Hoyts Hill: As part of the transition station, a small area of wetland was cleared and altered. The outer silt fence is still up as a work limit, the internal area was hydroseeded, and grass growth is starting. Sediment is accumulating at the fence to some degree from</p>	<p>-Continue to monitor. In general, keep all equipment and materials out of wetlands not to be disturbed and keep controls in good repair. Work is still proposed through here to connect with the underground facilities. 11/10-11/23/05.</p>

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	<p>the erosion. 11/10-11/23/05.</p> <p>-Archers Lane: The low spot in fence should be monitored although wetlands didn't appear to be immediately adjacent. 10/19-11/23/05.</p> <p>- Norwalk Junction: Wetlands associated with the Norwalk River are located immediately adjacent to the site but the standing water here appeared to be clear with erosion controls well installed. Flooding may be an issue during extended periods of rain. 11/02-11/23/05.</p>	<p>- Continue to maintain silt fence as needed. 11/23/05.</p> <p>- Maintain perimeter controls during transition station work. 11/23/05.</p>
State species of concern, threatened and endangered species	- No species of concern are located in these areas of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<p>-Hoyts Hill: The slopes and areas surrounding the site are beginning to experience noticeable increase in growth but prior erosion issues were noted and will need attention. 11/17-11/23/05.</p> <p>- Archers Lane: Work continues in the previously cleared areas however some additional clearing had occurred near the intersection with the ROW as part of that work for the recently approved access road. 11/02-11/23/05.</p> <p>- Norwalk Junction: Clearing appears to be complete along the footprint of the station. Brush piles were removed along the wetland/ silt fence line but it appears additional vegetation was cleared in the area, leaving disturbed soil outside the silt fence. 11/23/05.</p>	<p>-Monitor for vegetative cover. It may be difficult to obtain sufficient growth due to the late time of year. An alternative method of stabilization, such as Erosion Control Mats should be considered if necessary. 11/02-11/23/05.</p> <p>-None at this time. 11/23/05.</p> <p>- Attempt to preserve the existing vegetation and continue saving trees where possible, if trimming is sufficient. 11/23/05.</p>

Areas of Inspection	Observation	Recommended Action
Dewatering	<p>-Dewatering was not necessary at Hoyts Hill but some erosion had resulted from the outlet pipe and slope run-off. 11/23/05.</p> <p>- No dewatering has been necessary yet at Archers Lane. 11/23/05.</p> <p>- Dewatering has not yet occurred for the station work. 11/23/05.</p>	<p>-See Erosion control section. 11/23/05.</p> <p>- None at this time. 11/23/05</p> <p>- None at this time. 11/23/05</p>
Blasting	<p>- All blasting is complete, and it appears the wayward material was removed from the property boundary/stone wall. 11/23/05.</p> <p>- Work continues to remove or crush the boulders created by the blasting. 11/10-11/23/05</p>	<p>- None at this time 11/23/05.</p> <p>- Some of the stone will be used on-site and some is being trucked away. 11/23/05</p>
Spills and Material Storage	<p>-No oil or drip spots were noted during the inspection. 11/23/05.</p>	<p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site</p> <p>- Report spills immediately, even if they are being controlled.</p> <p>- Take care not to get carried away and to be vigilant when refueling. Avoid refueling in the areas near the wetlands. Se proper storage for all materials.</p>
Additional Observations		

Next likely scheduled inspection:

Thursday, December 1, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden for Lee Curtis



Hoyts Hill Transition Station: Overview of the station yard and the access in from Hoyts Hill Rd. 11/23/05



Both photos show a view of the erosive gullies present on the south and north side of the site, respectively. 11/23/05



Photo on the left shows accumulated sediment within the yard (contained within the silt fence) due to the erosive gullies or outlet drain. Photo on the right shows one of the outlets with sediment trapped in the stone pad. 11/23/05



Archers Lane: Both photos show a view of the earthwork ongoing with stone being crushed and stored on site. Trucks are also constantly hauling loads away. 11/23/05



Photo on the left shows another view of the earthwork and the drilling for the new structure. Photo on the right shows the cleared view into Archers Lane from the adjacent ROW. 11/23/05



Photo on the left shows the property boundary/stone wall where the wayward material was removed. Photo on the right shows sediment tracking on Diamond Hill Rd. The street has been swept but needs to be done so regularly due to the heavy truck traffic. 11/23/05



Norwalk Junction: Photo on the left is the view looking towards Rt. 7. Photo on the right is an overview of the site at this time. 11/23/05



Photo on the left shows the erosion control in place with the river in close proximity with water running clear in this area. Photo on the right shows an area beyond the silt fence which was apparently cleared when brush was removed. This bare soil area should either be restored with mulch or the silt fence needs to encompass it. 11/23/05